



OTVARC Oscillator

The Oregon Tualatin Valley Amateur Radio Club Newsletter

January 1996 Issue

President's Column

Jim Schaeffer KB7ADH

No Article from VP Neil McKie this month. Stay Tuned.

HAPPY NEW YEAR! Welcome to OTVARC 1996. I am still trying to figure out how I ended up getting elected to the presidency of this organization. I guess I got more votes than Randy, KZ7T did! Thanks to all of you who voted for me. Good luck collecting the money Randy promised you.

While I'm doing thank you's, Bill, N7VZF and all of the outgoing officers and board members deserve a BIG THANK YOU. I hope I can continue the great job that was done in 1995.

In case you missed the December club meeting, here are the officers and trustees for 1996:

President	Jim Schaeffer, KB7ADH	245-2518
VP	Neil McKie, WA6KLA	649-4264
Secretary	Alan Chinnock, KB7POR	620-2057
Treasurer	Bradley Beach, N7NVC	657-1781
Trustee	Wes Allen, K7WWG	649-3295
Trustee	Janet Bell, WB7FJC	648-4147
Trustee	Al Berg, WB7SIC	640-5456
Trustee	Stan Griffiths, W7NI	649-0837
Trustee	Chuck Mickley, KI7CL	642-1284

Speaking of the December meeting Lorna KA7RFD and her helpers put on a great party. Ask those who were there to fill you in on the games. It was a real "dress up" event!

As we proceed into 1996 I encourage all OTVARC members to be involved in club activities, meetings and events. Whatever your ham radio interest; social, operating, technical, traffic, packet, satellite, contesting, technical, etc, etc, etc, there is a place for you in OTVARC. But, you must help us create and maintain this wide scope of interests. We need everyone to contribute ideas, talent, suggestions, complaints.

I want to encourage everyone to call me (or any officer or trustee) with any suggestions or complaints you may have. If you are a "list maker" jot down your thoughts about what OTVARC should do in 1996 and mail them to me (signature optional). I will also, be frequently phoning various members to ask for your ideas and comments.

Continued on Page 3 - President

From the past prez - N7VZF

Well, it looks like my reign of terror is over. Congrats to the new 1996 board. Now the fun starts. Now that I am just a "general member" again, I don't have to worry so much about being "Politically Correct", not that I was ever really concerned about being PC.

I have a problem with some of the concepts for being PC. How will it impact the HAM community? Does that mean that I can't use OM (Old Man) any more but I need to use "AAMMS" (Advanced Aged Male Member of Society)? One nice thing about it I guess is I am no longer "Fat", I am Gravity Sensitive.

I guess what is more important to me is that we treat each other with the respect deserved. OM is not meant to belittle anyone just like YL or XYL or any of the other non-PC phrases that have crept into our "HAM" language over the last 75 years. Toughen up your skin a little. Again, it is more important to me that we all receive the respect we deserve. In particular I have a problem with the self-appointed "Radio Cops" who seem to rear their ugly heads when there is an influx of new hams on the repeaters. Guidance is much more accepted than condemnation. There are several of you out there, and you know who you are, who are more than ready to pounce on some poor, unsuspecting neophyte for using Q codes instead of plain english; anxious to brand a newcomer as a LID, without ever trying to help. KNOCK IT OFF!!!! That is not in keeping with the heart of the hobby. If you want to rule with an iron fist, get yourself a dog with no teeth cause even "Dumb Animals" will respond to your detriment if abused long enough. What is brought to mind is the old indian (for the PC-types - Native American) saying. Don't judge a man unless you have walked a mile in his moccasins.

Finally, I would like to pass along a short anticdote concerning "Being PC". It seems a large newspaper installed software in their word processor that would look for PC sensitive words and phrases and make the necessary changes. A financial writer was telling how a small company had done a turn around from being in the red to being in the black in just a year. When the article was published it read, "The company went from Native American to African American in less than a year."

Minutes of the Board Meeting 12-6-95

1. Meeting called to order by President Bill Merwin at 1911.
2. Those in attendance: Bill Merwin, Alan Chinnock, Neil McKie, Lorna Campbell, Janet Bell, Burt Rooke, Chuck Mickley, Carl Clawson, Hanford Van Ness, Al Berg.
3. Moved and seconded to dispense with the reading of the minutes. Passed.
4. Received financial statement from SeaPac 95. Gross receipts are down about 10% from last year. Net: \$4686.07.
5. Received treasurers report.
6. "Now You're Talking" arrived. Randy Stimson is delivering them to 31 locations, 3 copies each. We have 7 volumes still available.
7. The Christmas Party under the able direction of Lorna Campbell is ready to go.
8. Move and seconded for adjournment at 2023. Passed by the dispersal of the board.

Respectfully submitted Alan Chinnock, Secretary.

Minutes of the General Membership Meeting 12-13-95

1. Meeting called to order by President Bill Merwin with the Pledge.
- 2.. Van reported the election results
President -- Jim Schaeffer
Vice President -- Neil McKie
Treasurer -- Bradley Beach
Secretary -- Alan Chinnock
Trustee -- Al Berg
Janet Bell
Stan Griffith

3. Meeting adjourned for the Christmas Party.

1996 Calendar of Interesting Things

Jan 20	Saturday	ARRL January VHF Sweepstakes
Apr 27	Saturday	Spring National Exam Day
May 31	Friday	SEAPAC
Jun 1	Saturday	SEAPAC
Jun 2	Sunday	SEAPAC
Jun 22	Saturday	Field Day
Jun 23	Sunday	Field Day
Sep 28	Saturday	Fall National Exam Day
Sep 29	Sunday	Fall National Exam Day
Nov 29	Friday	Santa Claus Parade

If you would like an event included in the calendar please call Alan Chinnock KB7POR at 636-2237. If it is in reasonably good taste I will include it.

President - Continued from Page 1

At the January board meeting we will spend some time identifying what OTVARC has done well and where we can expand our efforts.

AAAAAAAdh

From the Secretary Alan Chinnock KB7POR

The tree is up, the lights are up, most of the shopping is done, its almost Christmas. A couple of questions about Christmas decorations for the technically minded among you. Is it possible to load a string of 25 lights on 40 meters? How much of the power is dissipated in the lights and how much is radiated? What is the resonant frequency of a 6 foot aluminum tree? What is its impedance at resonance? So much for the frivolity of the season.

January includes the 1996 ARRL January VHF Sweepstakes. I am planning to play around with this contest. Would anyone else be interested in coming over to my shack to play as well. I am not a serious contender. Maybe someone will come over and change that. Maybe someone who has only worked repeaters with an HT will stop by a work SSB. Who knows. I just thought it might be fun to work the contest with some friends. I would really encourage those new technicians to stop by and see what can happen on the SSB portions of the hobby.

My station is a contest giant with 4 vertical antennas and an unamplified (both receive and transmit) base station with a whopping 10 or 25 watts out. There are four bands to choose from starting at 6m and going up to 70 cm. With a little luck I will get the last two antennas up by contest time and will be able to keep them up. (My 440 antenna got a little bend in it during the wind storm.)

The contest is scheduled for 1900 UTC Saturday January 20 through 0400 UTC Monday January 22. If I translated right this is 1100 local Saturday through 2000 local Sunday. Contest details can be found in the December 1995 issue of QST or the Jan/Feb issue of CQ VHF. If you are interested please give me a call at 636-2237 (H) or 653-4362 (W).

Speaking of the windstorm. Greg Milnes W7AGQ is looking for reports of Amateur Radio towers that came down during the windstorm. He suspects that there were none and want to show this to the County Commissioners who are concerned with the safety of our towers. He really only needs to know about towers, not the little stuff like my bent piece of 4 foot long aluminum. You can

call him at 648-6990.

You may have noticed a reference about to a magazine called CQ VHF. This is not a misprint. This is a new magazine. The first issue just came out. I picked one up at HRO. At first glance it is not a technical as I would like. This is probably good news to a lot of other people. This first issue seems to be a good overview of the above 50 MHz portion of the ham radio world. I would suggest it for all you new Technicians.

I am going to try something new this year. I am going to put together a calendar of important dates for OTVARC and put it in the newsletter. To start with I will put in things I know about with very little research. This means that my interests will be reflected. I expect this to be a two-way effort. You, the majority of the club, will supply me, a singular entity, with information to put in the calendar. I hope that this will help people plan their year to include the maximum amount of HAM stuff possible.

By now you probably know that you will be hearing more from me this year. As a big surprise I was reelected while running unopposed. Talk to you more next year. Merry Christmas and Happy New Year to all.

DEETH & ASSOCIATES

- * Telecommunications
- * Cellular Phones & Accessories
- * Security Systems

(503) 324-3737

Ray Deeth

Dale Wert

(800) 723-3737

180 So. Main (#C)

Banks, Oregon 97106

WORLDWIDE DISTRIBUTION



Earl Reinoehl

Manager

KE7OA

11705 S.W. Pacific Hwy.
Portland, OR 97223
(503) 598-0555
1-800-854-6046

ANAHEIM, CA • ATLANTA, GA • DENVER, CO • OAKLAND, CA
PHOENIX, AZ • PORTLAND, OR • SALEM, NH • SAN DIEGO, CA
SUNNYVALE, CA • VAN NUYS, CA • WOODBRIDGE, VA

INTRODUCTION TO PACKET RADIO - PART 8 - by Larry Kenney, WB9LOZ

This part of the series discusses, in detail, the various parts of the packet message. The following is an example of what you see when listing messages on a BBS. On some systems the information is displayed in a different order, but the same information is given.

MSG#	STAT	SIZE	TO	FROM	@ BBS	DATE/TIME	SUBJECT
4723	P	1084	WD5TLQ	WA6XYZ	N5SLE	0604/1240	Software working great!
4721	BI	771	PACKET	WB9LOZ	ALLUSW	0604/1154	INTRODUCTION TO PACKET
4717	BF	2387	EXAMS	W6NLG	ALLCAN	0604/1020	FCC Exams: June - Dec.
4715	T	275	94114	W1AAR		0604/0959	QTC San Francisco 415-821
4712	BF	918	ALL	N6ZYX	ALLCAN	0604/0845	9600 BAUD DEMONSTRATION

The MESSAGE NUMBER is assigned by the BBS program when the message is received and it cannot be changed. The numbers are assigned sequentially.

The STATUS of the message includes several different bits of information. The first letter of the STATUS indicates the TYPE of message: B for Bulletin, P for Personal, or T for Traffic for the National Traffic System. Bulletins are messages of general interest to all users, and are available to be read by everyone using the system. Personal messages are listed only for the sender and the addressee, and they're the only ones that can read them. (Anyone in monitor mode could see a personal message as it's being sent over the air, of course.) The list above would have to have been requested by WA6XYZ since it lists an outgoing personal message. Traffic messages, type T, are messages used for handling traffic on the National Traffic System. (Refer to part 12 of this series for information on NTS.)

STATUS also shows if the message has been read, has already been forwarded to all designated stations, is in the process of being forwarded, or is an "old" message. You might see one of these letters: Y - yes, it has been read, F - it has been forwarded, I - it's in the process of being forwarded right now on another port, or O - the message has been on the BBS long enough to become an "old" message. "Old" can be anywhere from 2 days for an NTS message to 3 weeks for bulletins. The time frame for each message type is specified by the local sysop. The "O" is mainly used to catch the attention of the sysop.

The SIZE indicates the combined total of characters, including punctuation in the message.

TO is who the message is addressed to or it can be a message category. The call of the addressee is entered for a personal message, and for bulletins it could be ALL, EBARC, USERS, etc. TO is also used to categorize bulletins by particular topics. You might find a message addressed TO AMSAT, TO PACKET or TO SALE, when it is actually a message about AMSAT, about PACKET or about equipment for SALE. For NTS messages TO is the zip code of the addressee.

FROM shows the callsign of the station originating the message.

@ BBS is used if you want a message to be forwarded to someone at another BBS or for general distribution using a forwarding designator. In the list shown above, the personal message would automatically be forwarded to WD5TLQ at the N5SLE BBS. By entering a special designator, such as ALLCAN, in the "@ BBS" column a message can be forwarded to specific areas. (See Part 6 and 7 of this series for details on addressing messages and using forwarding designators.)

Next is the DATE and TIME when the message was received at the BBS you're using. (If the message was originated at another BBS, the date and time when the message was originally entered will be shown in the forwarding headers, as explained below, and at the top of the message when you read it.) Keep in mind that the date and time indicated can be either local time or GMT (Zulu time) depending on the time used by the BBS.

The SUBJECT (or TITLE) is a short line telling what the message is all about. It should be brief, but informative. For bulletin type messages, this is the information that determines whether or not a person is going to read your message when he sees it in the message list.

The parts of the message mentioned so far are all included in the header of the message, and are seen when listing messages. The hierarchical address and the message ID are not shown in the normal listing. On some systems, such as those using WORLI software, entering a semicolon after the list command will give you this information. (Example: LL 15 ;)

If a message has been forwarded from another BBS, forwarding headers are added at the top of the actual

Current Amateur Satellite Frequencies

Analog Satellites

Satellite	Beacon (MHz)	Uplink (MHz)	Downlink (MHz) ¹	Type
AO-10 ²	145.810 and 145.987 ³	435.030-435.180 LSB/CW	145.975-145.825 USB/CW	Mode B
AO-13 ²	145.812 and 145.985 ⁴	435.423-435.573 LSB/CW	145.975-145.825 USB/CW	Mode B
AO-13	2400.661 ⁴	435.603-435.639 USB/CW	2400.711-2400.749 USB/CW	Mode S
AO-27		145.850 FM	436.800 FM	Part Time Reprtr
FO-20 ⁵	435.795	145.900-146.000 SSB/CW	435.800-435.900 SSB/CW	Mode JA
RS-10 ⁶	29.357	145.865-145.905 USB/CW	29.360-29.400	Mode A
RS12 ⁷	29.408	21.210-21.250 USB/CW	29.410-29.450	Mode K
RS-15	29.352	145.858-145.898 USB/CW	29.354-29.394	Mode A

Digital Satellites

Satellite ⁸	Name or Callsign	Uplink (MHz)	Downlink (MHz) ¹	Type
UO-11			145.825	1200 Baud PSK
AO-16	PACSAT	145.900, .920, .940, .960 FM	437.0513 SSB	1200 Baud PSK
DO-17	DOVE		145.825 FM	1200 Baud AFSK
WO-18 ⁹	WEBERSAT		437.104 SSB	1200 Baud PSK AX.25
LO-19	LUSAT	145.840, .860, .880, .900 FM	437.1528 SSB	1200 Baud PSK AX.25
UO-22	UOSAT5	145.900, .975 FM	435.120 FM	9600 Baud FSK
KO-23	HL01	145.850, .900 FM	435.175 FM	9600 Baud FSK
KO-25	HL02	145.870 FM	436.500 FM	9600 Baud FSK
IO-26	ITMSAT	145.875, .900, .925, .950 FM	435.822 SSB	1200 Baud PSK
POSAT	POSAT1	145.975 FM	435.2777 FM	9600 Baud FSK

MIR and SAREX

Spacecraft	Callsign	Uplink (MHz)	Downlink (MHz) ¹	Type
MIR	ROMIR	145.550	145.550 FM	Simplex Voice or PKT
MIR	DP0MIR ¹⁰	145.200 FM	145.800 FM	Duplex Voice
MIR	DP0MIR ¹⁰	435.725 FM	435.925 FM	Voice
MIR	DP0MIR ¹⁰	435.775-436.775 w/25kHz spacing	437.975 FM	9600 Baud Packet
Shuttle	W5RRR	144.490 ¹¹	145.550 FM	Packet
Shuttle	Various	144.910, .93, .95, .97, .99 FM ¹¹	145.550 FM	Voice (Except Europe)
Shuttle	Various	144.700, .750, .800 FM ¹¹	145.550 FM	Voice (Europe Only)

Notes:

- 1) Frequencies are shown without Doppler compensation. At start of typical LEO pass, the original signal will be several kHz higher than shown. Refer to specific satellite operating instructions for complete details.
- 2) For AO-10 and AO-13 Mode B, transmit in LSB, receive in USB. Also in Mode B, when the transmitted frequency is increased the receive frequency will be decreased (inverting transponder). AO-10 no longer controllable but the transponder works when the satellite is in sunlight.
- 3) AO-10 beacon is an unmodulated carrier. Do not transmit on the satellite if the beacon is FMing.
- 4) AO-13 beacon sends CW at beginning of the hour and 30 minutes past the hour, RTTY at 67 wpm at 15 and 45 minutes past hour, and 400 bps rest of the time.
- 5) Presently, FO-20 digital JD mode is not operational.
- 6) RS-10 Robot via 145.820 MHz uplink and 29.403 downlink.
- 7) RS-12 Robot via 21.129 MHz uplink and 29.454 downlink.
- 8) Digital satellites use a program suite containing PB/PG/PFHADD/PHS or WiSP.
- 9) WO-18 transmit experimental and image data and can be captured in KISS mode via PB or TLMDC.
- 10) Tentative frequencies for SAREXII during EUROMIR '95 (3Sep95-16Jan96) via German Cosmonaut Thomas Reiter, DF4TR.
- 11) These are typical SAREX uplink frequencies. Refer to AMSAT News Service Bulletins for exact SAREX frequencies.

Reprinted from The AMSAT Journal

message text. This is information added by each BBS that was used to get the message from its origination point to the destination. Each BBS adds one line showing the time the message was received by that particular BBS, its call sign, and usually the QTH, zip code, and message number. Other information is often added, at the discretion of the sysop there. If you use the RH command, rather than just R, when reading a message, such as RH 7823, you'll receive complete headers. With just the R, headers are reduced to a list of the BBS callsigns. Complete headers are useful if you want details on the path the message took to reach you or how long it took to be forwarded from system to system from the source to destination.

The TEXT of the message contains the information you want to convey to the reader. It can be of any length. When entering a message into a BBS, use carriage returns at the ends of your lines, as if you were using a typewriter. The normal screen width is 80 characters, so you should enter a carriage return prior to the 80th character on each line. Don't allow the automatic wrapping of lines to occur. A message entered without carriage returns is very difficult to read, as words are cut at improper points, lines vary drastically in length, and blank lines are often inserted.

You should include your name, call and packet address at the end of the text so that the person reading your message will be able to send a return message to you if he or she wishes to do so.

You complete the text with either a Control-Z or these three characters: the "slash" (/) plus the letters "EX". These characters must be on a line by themselves. On some systems only the Control-Z will work. This tells the system that you've finished entering the message.

Messages that are going to be forwarded to several BBSs or across a long distance should be limited in size. Extremely long messages can tie up the forwarding system unnecessarily, so users are advised to break up long messages into parts, keeping them to a length of 2 - 3 K each.

HOLIDAY PARTY

An estimated crowd of 75 attended the Holiday Party in December. An excellent buffet was provided by the Elks Catering Service.

We were honored to have Chris Everts, Exalted Ruler of the Beaverton Elks Lodge, personally accept our \$500 check to their Needy Family Program. Thanks to all who contributed to the overflowing barrel of food we also were able to donate.

Outgoing President Bill, N7VZF, presented Certificates of Appreciation to members who have made an outstanding contribution to the Club this year.

After some games, prizes of a \$5 gift certificate to McDonald's were given to Steve, WA7ZCL; Carl, WS7L; Mary, N7TRW and Greg, W7AGQ. Thank you all for being such good sports.

The finale of the evening was a drawing for many wonderful goodies. Thanks to Geno, KA7KBH for doing his usual excellent job in arranging this.

Lorna, KA7RFD

• Buy • Sell • Trade
HAM RADIO EQUIPMENT

JOSEPH REAVES
N6FRA

14355 S.W. Bull Mtn. Rd.
Tigard, OR 97224

(503) 590-4736
Estate Appraisals

BORSCH ELECTRONICS

Communications Servicing

9935 S.W. Johnson St.
Tigard, OR. 97223

Joe Borsch W7PNS

(503) 684-5201

The Salem Repeater
Association & Oregon Coast
Emergency Repeater
Association, Inc. PROUDLY
PRESENT THE...

1996 SALEM HAMFAIR



AND COMPUTER/ELECTRONIC SWAPMEET SATURDAY FEBRUARY 17 POLK COUNTY FAIRGROUNDS



West of Salem Where Highway 22 meets Highway 99W at Rickreall
Doors open at 9:00 a.m.
Prize drawings at 2:30 p.m.

GRAND PRIZE DRAWING: To be announced on fall flyer

COUNTRY STORE: Sell your gear with help from the Salem ARC.

PRE-REGISTER by February 10, and receive entry badges and door prize tickets by return mail. Registrations received February 11, or later will be held for pick-up at the door. Registrations post marked by February 2nd will receive an extra door prize ticket with each entry ticket. Anyone 13 years or older must be registered to enter the hamfair. **PRE-REGISTRATION begins in November, watch for flyers.**

OREGON'S BIGGEST, BEST COMPUTER/ELECTRONIC SWAPMEET WITH MANY DEALERS!

plus ARRL, ORRC and other meetings to be announced...

Please add me to the Swap Table mailing list. Registration for tables and the SALEM HAMFAIR will start in Mid-November, 1996.

MAIL TO: SALEM HAMFAIR
P.O. BOX 784
SALEM, OR 97308



Name _____ Callsign _____
Address _____ Phone (____) _____
City _____ State _____ Zip _____

Why do we need all these nets anyway?

Bill Merwin - N7VZF - District 1 ARES Net Manager

Take 9 extra inches of rain in a month, add in a low pressure area the size of Nevada sitting off the Pacific Coast, throw in the proper amount of 70+ MPH winds and what do you have? The perfect recipe for a giant fire wood gathering experience. That is just what we had on December 12th.

We all knew it was coming. It shouldn't have been a surprise but how many of us were really prepared for what we experienced that day in 8 short hours?

Early on the morning of the 12th, Clatsop County ARES had been put on alert for a severe weather watch. Due to the fact that Clatsop County is in District 1, and I am the Net Manager for District 1, I was called and asked to stand by - Just in case.... By 9:30 that morning, a second county in the district - Tillamook County, had been called up by the OEM. That's two out of seven. The next to activate was Yamhill County, that was 3 out of 7 counties on alert. I decided that they were serious and had better start making preparations for a long day.

I had my son check the fuel supply for the generator, stack up some wood, and had my daughter start a pot of coffee. I had already test fired the generator the previous weekend as a regular habit so I knew it was ready.

By 10AM, I had already been in contact with N7UQW, EC for Tillamook County and passed traffic to the state EOC in Salem concerning Tillamook's alert status. The final call came at 10:49. I was notified that Washington County EOC had been activated and I was requested to formally announce the start of the D1 emergency net.

10 hours later, the net was closed. 10 hours of traffic, check-ins, queries, contacts and QST's. During that 10 hours, I logged over 400 check-ins, coordinated 45 pieces of traffic and/or requests and made 114 contacts with various agencies including Red Cross, the EOC in Salem, Beaverton Emergency Op Center and the Clark County Emergency Services group.

Just when things started to get busy, the wind hit the Beaverton area. At exactly 1305 (PST), we lost power. At 1307, all 5 of my radios were back on line running off the generator. (Boy I like those "First Pull" Honda generators!)

For the most part, the net flowed just like the manual calls for during an emergency. People who needed assistance checked in and were directed to their local ARES agency's frequencies; people who were needed to lend a hand at the various sites were contacted via the agencies' liaisons; emergency service

agencies were contacted either via ham radio or land-line or cell phone for notification of incidents. It worked like it was supposed to. And why? Because the people who were doing the work, knew how to do it. They were the ones who understand the workings of the nets.

The ones who don't normally work in a net environment were pretty obvious. They were the ones who just started calling for other stations without checking with net control station first. They could call into the net to report something they just saw on the TV (Battery powered TV's are great for keeping the kids occupied) or tell about something happening in another part of the city that they had heard about on the radio. But with a little direction and explanation, most of them started to understand what was happening and were more than willing to work with it. But it took time. Time that could have been just as easily spent during much less stressful periods. And time that could have been saved so that other business of the net could flow.

I will admit that the net wasn't perfect. I learned several things that day that I, as the net manager, need to remedy. Things like the fact my assistant net manager is also one of the people who responds to the EOC for Yamhill County and is therefore unavailable to me during emergencies if that county is involved; most of my net control stations work during the day and are therefore away from their bases. 10 hours is a long time to work 4 VHF and 1 UHF radio without a break. I will be writing a short article on what it takes to be a Net Control Station (NCS) in the future and recruiting more NCS. That is a given.

In the meantime, you might consider getting in to the habit of checking in on a net each week. I would recommend that you try to make your local county's ARES group net at least once a month so you know where it is (what freq) and how it is handled. Get involved with the local ARES group as a volunteer. It is a great place to learn about how to be prepared in case of an emergency. Talk to other people, in particular new hams about the need for nets and/or direct them to their local agencies. Whether the governmental groups want to admit it or not, the hams are the ones who "Get Through" when other communications channels don't. It is a good way to service your community.

When it hits, don't forget about your neighbors. Do you have elderly people who live in your area? How are they fairing when you lose power? Consider making plans in case it happens again (which it will).

Until next time we meet, just remember, nets are necessary. Like the old saying goes, "Through rain, snow, sleet, hail, Hams get the traffic through!"

73 - N7VZF

DONATION TO HIGH SCHOOLS AND LIBRARIES

We recently purchased, at a discount through ARRL, 100 copies of the book "Now You're Talking". Three copies were given to fifteen area High Schools and, because of our association with Seaside, copies were also donated to Seaside, Warrenton and Astoria High Schools. Eleven main or branch libraries in Washington county were also recipients.

There being no central location that would accept our donation, our thanks go to Randy, KZ7T and Bradley, N7NVC for distributing these books. Their task was made even more difficult as they would frequently arrive at a school only to find it was closed by a power outage after the wind storm.

We have a few copies left, if you know anyone becoming interested in amateur radio who would like to borrow a copy, please contact Jim, KB7ADH or Randy, KZ7T.

Lorna, KA7RFD

MONTHLY DRAWING RENEWED

A very big thanks to Geno, KA7KBH, for getting the monthly drawings started again. We had some really nice prizes at the November meeting and Bud and Sally Butterfield each managed to win something. You will have an opportunity as well. Just show up at a meeting!!! Of course it might cost you a buck or two but what the heck. Do it!

THE LATEST IN TOWER COMPLAINTS

By Greg Milnes, W7AGQ

"Recently I helped John, WR6J, put up a 50 ft tower for a tribander. He got a letter from a nature group complaining that birds might be injured flying into the tower. The only bird-tower damage I know of is the polka dot pattern

on my red car when I park beneath Stan, W7NI's beams. Actually I like birds...especially Bird wattmeters.

(Greg is currently preparing to convene some meetings around the Division to address what can be done locally about repeater interference.)

ADVOCATE TAX CONSULTANTS
11080 SW ALLEN BLVD.
BEAVERTON, OR 97005
(503) 626-8325

ROBERT B. WHITE
LICENSED TAX CONSULTANT, ENROLLED AGENT

TAX RETURN PREPARATION, TAX PLANNING & ANALYSIS
AUDIT REPRESENTATION

ARRL NEWS

FROM THE DIRECTOR AND VICE DIRECTOR

After almost a year in office we would like to thank everyone for the support and cooperation we have received. Your input and comments from your letters, discussions at club meetings and forums, conversations, etc. at hamfests have helped us represent the Northwest Division. Many of the ideas expressed have been passed on to our ARRL Headquarters staff and when appropriate to the Board of Directors. We look forward to continuing to serve you during 1996.

DIRECTOR

Mary Lou Brown, NM7N
504 Channel View Drive
Anacortes, WA 98221
phone: 360-293-9295
fax: 360-299-2261
packet: nm7n@n7rhw.nwwa.wwa.usa.noam
e-mail: 416-0939@mcimail.com or
nm7n@arrl.org

VICE DIRECTOR

Greg Milnes, W7AGQ
740 S E 24th Avenue
Hillsboro, OR 97123
phone: 503-648-6990
e-mail: gmilnes@mcimail.com or
w7agq@arrl.org

Amateur radio keeps disabled in the loop

"Good evening. It's 8:30 on Thursday evening and that means it's time for the 33s."

So begins Edna "Eddy" Thorson's weekly one-hour chat with other ham radio operators.

The network is called the 33s, after an amateur radio greeting used among women operators. Thorson, of Robbinsdale, Minn., is the network controller.

On a recent Thursday, many were so busy answering her questions about their gardening, vacations and remodeling projects that they never learned much about the 57-year-old woman who has used a wheelchair since she was 11.

"The anonymity is one of the biggest selling points for ham radio for a handicapped person," said Thorson, who has a progressive

muscle disease.

In 1967, she became the first member of the Courage HANDI-HAM System, which stands for handicapped hams. Based in the Minneapolis suburb of Golden Valley, it has grown to 6,000 members in 34 countries.

HANDI-HAMS promotes ham radio as a way for the disabled to communicate, through systems ranging from Morse code to adapted personal computers.

"Their program is the oldest and largest as far as being recognized in the amateur community," said Mary Carcia of the American Radio Relay League, a group of 175,000 ham radio operators based in Newington, Conn.

Many schools for the disabled and impaired, such as the Crotched



Thorson was the first member of HANDI-HAM.

Mountain Preparatory School and Rehabilitation Center in Greenfield, N.H., use amateur radio to teach communication skills and motivate students.

While schools like Crotched Mountain concentrate on exposing students to amateur radio, HANDI-HAMS helps them prepare for their ham radio licenses with one-on-one assistance and study materials. It adapts devices for those whose impairments prevent them from using standard equipment and provides and repairs equipment at reduced cost.

With a personal computer connected via special modem to an amateur radio station, users can send and read messages on computer screens through the airwaves, instead of telephone lines.

During the Vietnam war, Ms. Thorson helped relay messages to soldiers' families.

When an ice storm knocked out power lines between cities, she helped contact a hospital to make sure it had room to admit a patient.

"I always felt I saved the world one life," she said.

— Associated Press

HAMFESTS AND CONVENTIONS FOR 1996

This is a preliminary schedule and some dates could actually change. Those with an asterisk have already received ARRL sanction.

- | | |
|---------------|--|
| *Feb. 17 | Salem Hamfest, Rickreall, OR |
| *March 9 | Mike and Key Flea Market, Puyallup, WA |
| *March 17 | Walla Walla Fleamarket, Milton-Freewater, OR |
| *April 13 | Inland-NW Hamfest Assoc., Spokane, WA |
| April 20 | Lewiston-Clarkston Hamfest, Clarkston, WA |
| *April 27 | Umpqua Valley Hamfest, Roseburg, OR |
| April 27 | Clark County Fleamarket, Vancouver, WA |
| *April 27 | Butte, MT |
| May 4 | Keno ARC, Klamath Falls, OR |
| May 18-19 | Yakima ARC, Selah, WA |
| *May 31-Jun 3 | Northwest Div. Convention, Seaside, OR |
| June 1-2 | Apple City ARC, near Wenatchee, WA |
| June 8 | Kootenai ARS, Rathdrum, ID |
| *July 19-21 | Northwest DX Convention, Portland, OR |
| *July 19-21 | Glacier/Waterton, Three Forks Campground, MT |
| *August 2-3-4 | WIMU, Park City, Utah |
| August 3-4 | Spokane Hamfest, Spokane, WA |
| August 10 | Radio Club of Tacoma, Tacoma, WA |
| August 17 | Lower Columbia ARA, Longview, WA |
| Sept. 14-15 | Hoodview ARC, Portland, OR |
| *Sept. 27-29 | Walla Walla Hamfest, Milton-Freewater, OR |
| Sept. 28 | North Kitsap ARC, Bremerton, WA |
| Oct. 5 | Nampa Hamfest, Nampa, ID |

AZDEN RADIOS

2-Meter and 6-Meter mobiles in stock

Call: Jack - N7CXX in Wilsonville

Local Phone - Information (503)682-7898

Orders Only Please 1-800-835-4895

Tony & Bobbi Antons
4935 Netarts Hwy. W.
Tillamook, OR 97141

TONY ANTONS

18415 S.W. SALIX RIDGE
ALOHA, OR 97006
645-4188

920-4935
Page

OTVARC Club Contacts

OTVARC Executive Board

President	Jim Schaeffer	KB7ADH	245-2518
Vice President	Neil McKie	WA6KLA	649-4264
Secretary	Alan Chinnock	KB7POR	620-2057
Treasurer	Brad Beach	N7NVC	657-1781
Trustee	Wes Allen	K7WWG	649-3295
Trustee	Chuck Mickley	KI7CL	642-1284
Trustee	Janet Bell	WB7FJC	648-4147
Trustee	Al Berg	WB7SIC	640-5456
Trustee	Stan Griffiths	W7NI	649-0837

Other Club Contacts

ARRL Coordinator	Bob Orr	WF7Q	297-2732
Bunny Hunting	OPEN		
Contesting	OPEN		
DX News	Rich Jones	KG7FS	645-9417
Equipment Valuation	Randy Stimson	KZ7T	297-1175
Equipment Trustee	Al Berg	WB7SIC	640-5456
Emergency Services	Tim Taylor	N7UCA	292-5430
Field Day	Carl Clawson	WS7L	629-5796
Health & Welfare	OPEN		
Member Badges	Terry Sparks	AA7ZO	628-0372
Newsletter Editor	Bill Merwin	N7VZF	640-8873
Newsletter Layout	Bill Merwin	N7VZF	883-8504
Newsletter Distribution	Al Berg	WB7SIC	640-5456
Nominating Committee	Hanford Van Ness	KE7BB	246-7975
Packet - Club BBS	Rick Braun	KB7OGD	645-1490
Project Night	OPEN		
Public Relations	Bill Merwin	N7VZF	644-1974
Public Service	Randy Stimson	KZ7T	297-1175
Repeater	Wes Allen	K7WWG	649-3295
RFI & TVI	Dale Mosby	N7PEX	640-0217
Satellites	Dick Emmel	W7KJZ	245-1928
Scholarship	Exec.Board	N7VZF	644-1974
Sea-Pac	Al Berg	WB7SIC	640-5456
	Brad Beach	N7NVC	657-1781
	Jim Schaeffer	KB7ADH	245-2518
Technical	OPEN		
Tower Ordinances	Stan Griffiths	W7NI	649-0837
Trailer	Dee Lynch	KA7NPN	646-4580
Training(Code)	Burt Rooke	KI7JX	241-2891
Training(Novice/Tech)	Burt Rooke	KI7JX	241-2891
Training(Upgrade)	OPEN		
VE Testing	OPEN		
VE Test Schedule	OPEN		
VHF/UHF	Bill Roth	N7RYW	297-7605

OTVARC Club Information

Purpose: The Oregon Tualatin Valley Amateur Radio Club, a Not-for-profit corporation, wants to be instrumental in helping the prospective as well as established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, the intent is to promote the advancement of Amateur Radio Service through the following five objectives:

1. Education & Training of new and licensed Amateurs.
2. Public Service during public events & community activities.
3. Emergency communications during emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

Special Service Club OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits from you joining the ARRL through OTVARC. To join or renew your membership in the ARRL, contact the treasurer at any regular meeting.

Newsletter: The *OTVARC Oscillator* is the club newsletter. It is published monthly and is usually mailed on the first of the month. The opinions, views and recommendations of its contributors are not necessarily those of the Club, its officers, advertisers or the editorial staff.

Correspondence: All correspondence may be sent to OTVARC, PO Box 5132, Aloha, OR 97006-0132.

Advertising: Classified ads are free to all paid up members. Display ads are available to approved commercial interests. To place an ad, mail your camera ready copy to the address above and indicate the size desired. All display ads run for six months at a time from January through June and July through December. All ads must be paid for in advance. Rates for 1994 are as follows:

Full Page	8" X 10"	\$200 for 6 mo.
Half Page	8" X 5"	\$125 for 6 mo.
Qtr Page	4" X 5"	\$75 for 6 mo.
Bus. Card	2" X 3"	\$35 for 6 mo.

Meetings: We have two meetings per month. The board meeting is on the first Wednesday of each month. All club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The general meeting is on the second Wednesday of each month at the Beaverton Elks Club, 3500 SW 104th Ave. (1 block north of Canyon Road). Meetings start at 7PM. If you would like to come early, you can get a nice meal from the Elks for less than \$6.

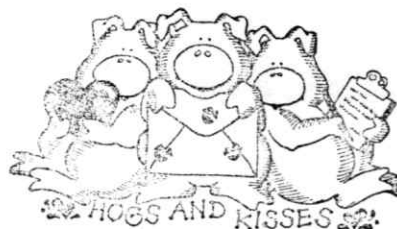
Membership OTVARC is open to anyone who is interested in amateur radio. You do not need to be a licensed radio amateur to join. Dues are as follows: Full member, \$10/yr; Associate member (non-licensed), \$10/yr; Family members of full member, \$5/yr; Life memberships available - see Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club Treasurer for prorated dues.

How To Join: Simply mail the Member Application and Renewal Form along with your dues to the address above.

ROHN Towers

- * New 25 and 45 in stock locally *
- * Gin Pole available for customer use *
- * Prices competitive with mail order *

Stan Griffiths, W7NI Internet: W7NI@teleport.com
18955 S.W. Blanton St. Phone: (503) 649-0837
Aloha, OR 97007-1230 FAX: (503) 591-1620



"The Northwest's Largest Ham Convention"



NORTHWEST DIVISION HAM CONVENTION

June 1 & 2, 1996

Seaside Convention Center, Seaside Oregon

**Giant Flea Market
Commercial Exhibits
Special Interest Group
Meetings**

**NO
SALES TAX
IN OREGON**

**Banquet/Entertainment
30+ Seminars
V. E. Testing**

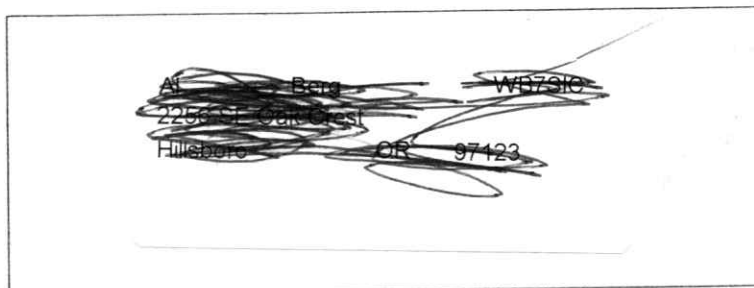
And Much More - Right on the Beautiful Pacific Northwest Ocean Beach

**GENERAL INFORMATION CALL
BRAD BEACH, N7NVC
(503) 657-1781**

**EXHIBITORS CALL
AL BERG, WB7SIC
(503) 640-5456**

Oregon Tualatin Valley Amateur Radio Club
Post Office Box 5132
Aloha, Oregon 97006-0132

Address Correction Requested



FIRST CLASS MAIL

OTVARC Oscillator